How to save an Octave Plot

   Saving a plot in Octave is a bit more complicated then in Matlab. I will give
a quick example of what needs to be done with some comments inserted into the
Octave commands. I will assume that the vector x contains the x-coordinates
and the vector y has the values of the function which we will plot. Lines starting
with a percentage mark are comments and not typed into the program.

```
octave:4> x
%% Here is the vector x (I already made it)
x =

 Columns 1 through 11:

  0.00000  0.10000  0.20000  0.30000  0.40000  0.50000  0.60000  0.70000  0.80000  0.900

 Columns 12 through 22:

  1.10000  1.20000  1.30000  1.40000  1.50000  1.60000  1.70000  1.80000  1.90000  2.000

 Columns 23 through 33:

  2.20000  2.30000  2.40000  2.50000  2.60000  2.70000  2.80000  2.90000  3.00000  3.100

 Columns 34 through 44:

  3.30000  3.40000  3.50000  3.60000  3.70000  3.80000  3.90000  4.00000  4.10000  4.200

 Columns 45 through 55:

  4.40000  4.50000  4.60000  4.70000  4.80000  4.90000  5.00000  5.10000  5.20000  5.300

 Columns 56 through 63:

  5.50000  5.60000  5.70000  5.80000  5.90000  6.00000  6.10000  6.20000

octave:5> y
%% Here is the vector y (also pre-made)
y =

 Columns 1 through 9:
```

```
      1.000000    0.995004    0.980067    0.955336    0.921061    0.877583    0.825336    0.764842

 Columns 10 through 18:

      0.621610    0.540302    0.453596    0.362358    0.267499    0.169967    0.070737   -0.029200

 Columns 19 through 27:

     -0.227202   -0.323290   -0.416147   -0.504846   -0.588501   -0.666276   -0.737394   -0.801144

 Columns 28 through 36:

     -0.904072   -0.942222   -0.970958   -0.989992   -0.999135   -0.998295   -0.987480   -0.966798

 Columns 37 through 45:

     -0.896758   -0.848100   -0.790968   -0.725932   -0.653644   -0.574824   -0.490261   -0.400799

 Columns 46 through 54:

     -0.210796   -0.112153   -0.012389    0.087499    0.186512    0.283662    0.377978    0.468517

 Columns 55 through 63:

      0.634693    0.708670    0.775566    0.834713    0.885520    0.927478    0.960170    0.983268

octave:6> plot(x,y)   % First I make my plot on the screen
                      % to make sure it is ok

octave:7> gset output "ocplot.ps"    % Now I set the name of the
                                     % Output file to ocplot.ps

octave:8> gset terminal postscript   % I choose the graphic format
                                     % in this case postscipt.  Note:
                                     % you will need ghostview to see
                                     % the plot.

octave:9> replot                     % This command plots the graph to
                                     % the file.


octave:10> quit
```

Here is the resulting graph.
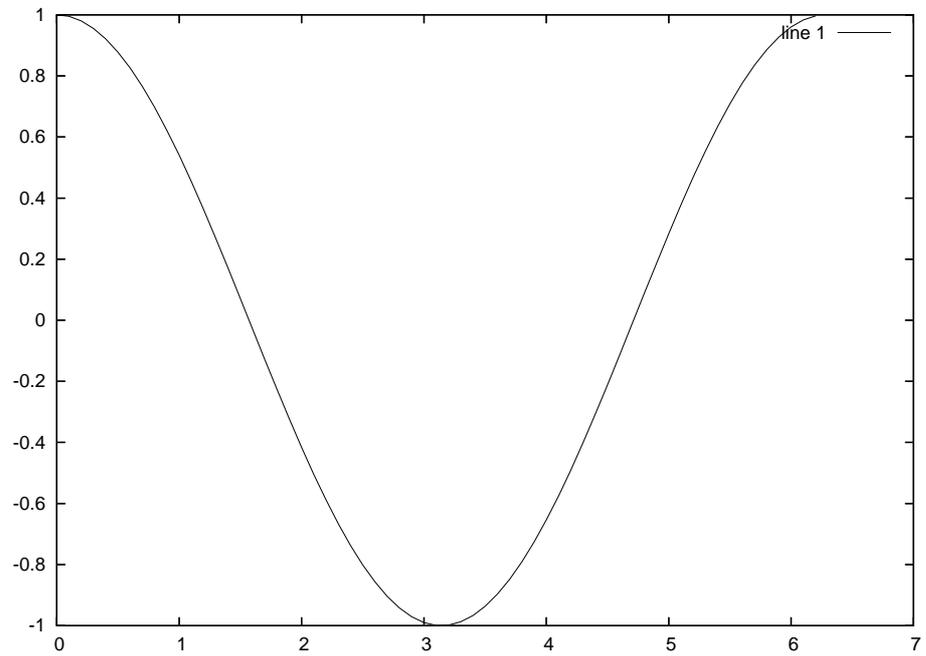
All you really need to know is lines 6 through 10. Let me know if you have any problems.